Waterproof materials?
Posted by gdelraye - 2013/10/27 16:08

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Hello,
I'm trying to find out whether it is possible to 3D print a watertight structure (for example a hollow sphere). I know that many of the materials such as acrylic, ABS, or any of the metals are waterproof in theory but I am worried that the porosity introduced during the 3D printing process will allow water to leak through supposedly "solid" walls. Is there a material where this would not be an issue, possibly something like cast aluminum, glass-infused nylon, or nylon 12?

Thanks for your help.

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Re:Waterproof materials?
Posted by Marco CM - 2013/10/30 11:24

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Hello gdelraye,

We offer a number of materials which are water proof. I recommend the WaterShed Clear material of the Dura Clear material. Both of these materials are SLA plastics and once printed form a solid barrier with out any porosity. Dura Clear is formulated to be slightly more durable and scratch resistant. Both are very resistant to chemical/water absorption.

The other material options for water tight parts would be our DurusWhite and Polycarbonate White.

Other water tight materials would be:
Kryptonite
Vero Black
Vero White
Vero Grey
Vero Blue

Let me know if you have any other questions.

Marco CM

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